

Perceptions of Pharmacy Students on the E-Learning Strategies Adopted during the COVID-19 Pandemic: A Systematic Review

Carla Pires

Universidade Lusofona's Research Center for Biosciences and Health Technologies, Portugal

Abstract

E-learning strategies were globally adopted by academies because of the COVID-19 pandemic. The characterization of students' perception of online learning is fundamental to design appropriate models for pharmacy curricula. The study aim was to carry out a systematic review about the perception of pharmacy students on the e-learning strategies adopted during the COVID-19 pandemic. Methods: The Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) checklist was followed. PICOS criteria were applied. Five databases were screened: PubMed, Cochrane Library, DOAJ—Directory of Open Access Journals, SciELO—Scientific Electronic Library Online and b-on—Online Library of knowledge (Biblioteca do conhecimento online). Keywords: “pharmacy and (distant or remote or e-learning or online or zoom or education or training or digital) and (COVID or SARS and (student or undergraduate) and (opinion or satisfaction or perception or attitude)”. Results: 23 out of 176 papers were selected (28 duplicated and 125 excluded). Selected papers were classified, as follows: studies exclusively involving pharmacy students (n = 8); studies simultaneously involving pharmacy students and other healthcare students (n = 6); and studies related to the involvement of pharmacy students in specific courses (n = 9). Conclusions: In general, the perception of pharmacy students on e-learning strategies adopted during the COVID-19 pandemic was positive. However, an expressive proportion of undergraduates reported negative issues about online education, which seems to support the necessity of optimizing e-learning strategies in the future.

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Biography

CARLA PIRES, actress and singer, has been asserting her style on the international stage. Uma bonita voz e uma interpretacao cativante sao atributos que nos concertos, concorrem para gerar uma grande empatia com o publico. A beautiful voice and a captivating interpretation attributes that are in concert, contribute to generate a great empathy with the public. Carla Pires iniciou o percurso artistico em Setembro de 1993, ao participar na Serie do programa Chuva de Estrelas. Carla Pires artistic journey began in September 1993 to participate in the 1st Series of the Rain of Stars program.